



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Docket No: 98000003
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)
For: HEAT EXCHANGER) Group Art Unit : 3753
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)
)
Serial No.: 10/661,174) Examiner: To be assigned
))
)
Filed: 09/11/2003)

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hon. Commissioner:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §1.98, Applicants hereby notify the U.S. Patent of the documents listed below and identified on the attached form PTO/SB/08 for review by the Examiner during the examination of the above referenced application. Copies of the documents are provided for the Examiner's use.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17 (p) is required.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on JAN 9, 2004

(Date of Deposit)

by
Sheri N. Wilson

(Date)

U.S. PATENT DOCUMENTS		
US PATENT	DATE	INVENTOR NAME
2912749	11/17/1959	Bauernfeind et al.
3017161	01/12/1959	Slaasted et al.
3231017	12/23/1963	Henderson
3240268	01/02/1962	Armes
3703925	11/28/1972	Ireland et al.
4234040	11/18/1980	Argyle et al.
5369883	12/06/1994	So et al.
5983992	11/16/1999	Child et al.
6244333	06/12/2001	Bergh et al.
6305079	10/23/2001	Child et al.
20010025705A1	10/04/2001	Nash et al.
20020074105A1	06/20/2002	Hayashi et al.
20020148602A1	10/17/2002	Nakamura

FOREIGN PATENT DOCUMENTS		
FOREIGN PATENT	DATE	ASSIGNEE/APPLICANT
JP2000240514A	09/05/2000	Usui International Ind. Co.
JP2000121286A	04/28/2000	Mitsubishi Motors Corp.
JP2001342910A	12/14/2001	Mitsubishi Motors Corp.
JP2001355978A	12/28/2001	Toyo Radiator Co. Ltd.
WO 0198723	12/27/2001	Serck Heat Transfer Ltd.
JP10122761	05/15/1998	Chiyoda Corp.
EP0981035	02/23/2000	Modine MFG. Co.
DE10024389	11/30/2000	Denso Corp.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to

antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of the Form PTO/SB/08 be returned in accordance with MPEP §609.

Respectfully submitted,


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(Use as many sheets as necessary)

Sheet _____

of _____

Complete if Known

Application Number	10/661,174
Filing Date	09/11/2003
First Named Inventor	Dilley et al.
Art Unit	3753
Examiner Name	TBD
Attorney Docket Number	98000003

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
		US- 2912749	11/17/1959	Bauernfeind et al.	
		US- 3017161	01/12/1959	Slaasted et al.	
		US- 3231017	12/23/1963	Henderson	
		US- 3240268	01/02/1962	Armes	
		US- 3703925	11/28/1972	Ireland et al.	
		US- 4234040	11/18/1980	Argyle et al.	
		US- 5369883	12/06/1994	So et al.	
		US- 5983992	11/16/1999	Child et al.	
		US- 6244333	06/12/2001	Bergh et al.	
		US- 6305079	10/23/2001	Child et al.	
		US- 20010025705A1	10/04/2001	Nash et al.	
		US- 20020074105A1	06/20/2002	Hayashi et al.	
		US- 20020148602A1	10/17/2002	Nakamura	
		US-			

FOREIGN PATENT DOCUMENTS

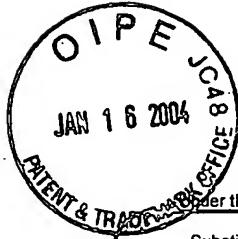
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ "Number" "Kind Code ⁵ (<i>if known</i>)				
		JP 2000240514A	09/05/2000	Usui Intern.		
		JP 2000121286A	04/28/2000	Mitsubishi		
		JP 2001342910A	12/14/2001	Mitsubishi		
		JP 2001355978A	12/28/2001	Toyo Radiator		
		WO 0198723	12/27/2001	Serck Heat Tr.		
		JP10122761	05/15/1998	Chiyoda Corp.		

Examiner Signature		Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JAN 16 2004

PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

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Application Number	10/661,174
Filing Date	09/11/2003
First Named Inventor	Dilley et al.
Art Unit	3753
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP 0981035	02/23/2000	Modine MFG. Co.		
		DE 10024389	11/30/2000	Denso Corp.		

Examiner Signature		Date Considered	
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